G100
Power Flow-Thru Humidifier

TRION Air Purification Systems | HERRMIDIFIER

TECHNICAL ENGINEERING SPECIFICATION

Performance:

- Save on Energy Costs and Improve Comfort.
- Increasing a Home's Relative Humidity Makes it Feel More Comfortable at 68ºf / 20ºc than it does at 73ºf / 23ºc at a Low Relative Humidity Level.
- Lower Thermostat Settings Deliver Substantial Savings on Monthly Energy Bills.
- Evaporative Supply Capacity Distributes up to 19 Gallons per day at 120ºf
- Ideal for Heat-Pump Applications

Features:

- Self-Piercing Saddle Valve and a 24v Brass Solenoid Valve Makes Installation Easy
- High Capacity Unit Distributes 19 Gallons per day at 120º F
- Built-In Fan Motor Helps Deliver Maximum Humidity
- 2" Evaporator Pad Expands the Evaporative Area for Water Supply and Increases Performance
- Flexible Humidity Control – The Wall or Duct-Mounted Humidistat Adjusts from 20% to 80% Relative Humidity

How Humidifiers Work:

Evaporative humidifier is installed onto the supply duct, where warm, dry air is forced across a moistened evaporator pad (wetted through the home's water supply), creating a superfine mist that is released into the indoor air. The adjustable, precision-made humidistat allows the user to choose the optimum level of relative humidity for indoor comfort.

Warranty:

- 2-year Limited Warranty

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Model	G100
PART NO.	351453-001
TYPE OF UNIT	Power-Assisted Flow-Thru
VOLTAGE/HZ/MOTOR	120 / 60 / 1/20 hp (0.037 KW)
SOLENOID VALVE	24 V Brass, rated for 150 psi (10.34 bar)
EVAPORATOR PAD	G-116-6 (6 pack only)
EVAPORATOR PAD SIZE	9" W x 2" D x 14" H (229 x 51 x 356 mm)
WEIGHT	13 lbs. (5.9 kg) / Shipping – 18 lbs. (8.16 kg)
DIMENSIONS	Unit – 13" W x 11 1/2" D x 18 3/4" H (330 x 292 x 476 mm)
	Packaging – 21 5/8" W x 16 5/8" D x 151/4" H (549 x 422 x 387 mm)
DUCT OPENING	12 1/4" W x 15 1/2" H (311 x 394 mm)
HUMIDISTAT	Adjustable from 20% to 80% Relative Humidity
DRAIN TUBING	1/2" (12.8 mm) O.D.

Evaporative Supply Capacity

Furnace Temp.		Supply Side	
°F	°C	Gallons per Day	Liters per Hour
100°F	37.7°C	14.5	(2.3)
120°F	48.8°C	19.0	(3.0)
140°F	60°C	24.0	(3.8)

Humidifier Capacity Selection Guide

Sq. Ft.	Meters of Home	Tight[1] House		Average[2] House		Loose[3] House	
1000	(92.9 m2	0.5	(1.9)	5.0	(18.9)	10.0	(37.9)
1500	(139.4 m2)	3.0	(11.4)	10.0	(37.9)	16.5	(62.5)
2000	(185.8 m2)	5.0	(18.9)	14.0	(52.9)	24.0	(90.8)
2500	(232.3 m2)	7.5	(28.4)	19.0	(71.9)	30.5	(115.5)
3000	(278.7 m2)	10.0	(37.9)	23.5	(88.9)	37.5	(141.9)
3500	(325.2 m2)	14.5	(54.9)	33.0	(124.9)	51.5	(194.9)

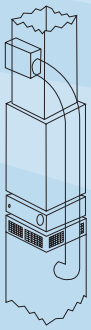
1. A "Tight Home" is assumed to be well insulated with vapor barriers, tight storm windows and doors, and a dampered fireplace. Air exchange rate of .5 changes per hour.

2. An "Average Home" is insulated and has a dampered fire place, but there are no vapor barriers, storm doors, or storm windows. Air exchange rate of 1.0 change per hour.

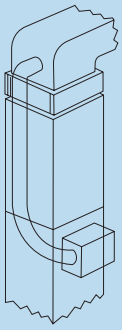
3. A "Loose Home" is generally one constructed before 1930, has little or no insulation, no storm doors, storm windows, weather stripping or vapor barriers, and often no effective dampering of fireplaces. Air exchange rate is as high as 1.5 changes per hour.

Installation Options

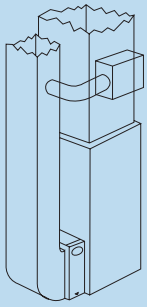
Downflow Counterflow



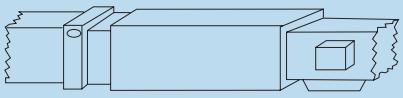
Upflow Bottom Return



Upflow Side Return



Horizontal



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